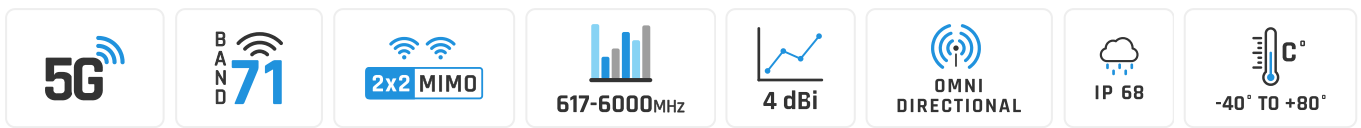


# QuOmni 5G/LTE Global MIMO 2x2 Nf

## Omnidirectional ultra wideband 5G/LTE MIMO 2x2 antenna

QuOmni 5G/LTE omnidirectional MIMO 2x2 is ultra wideband LTE Outdoor antenna. It's primary designed for LTE/5G/3G/2G devices which require high efficiency connections. The antenna covers many LTE bands including the new Extended LTE Band 71, frequencies: **617 - 6000MHz**. The mounting bracket allows the antenna to be installed on the buildings (on the pole or on the wall) as the client antenna or on the moving points like trains, buses, lorries, yachts, boats to receive Internet by LTE/5G/3G/2G. It's ideal solution to use with all industrial and domestic 2x2 LTE modems and routers like: Teltonika, DIGI, Mikrotik, Robustel, Cisco, etc.



WIDE BAND 600-6000MHZ, 5G TECHNOLOGY



GALVANIZED STEEL, WALL OR POLE MOUNTING BRACKET



TWO NF CONNECTORS



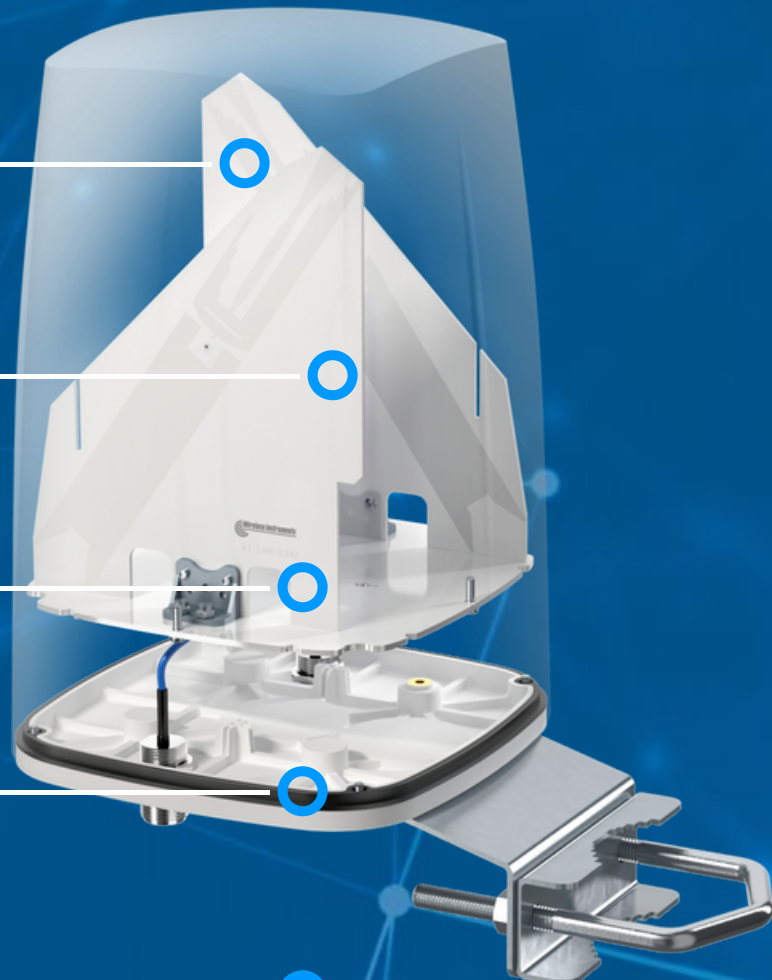
360° BEAMWIDTH



4.5DBI GAIN



MADE IN EUROPE



## 5G / LTE ANTENNA SPECIFICATION

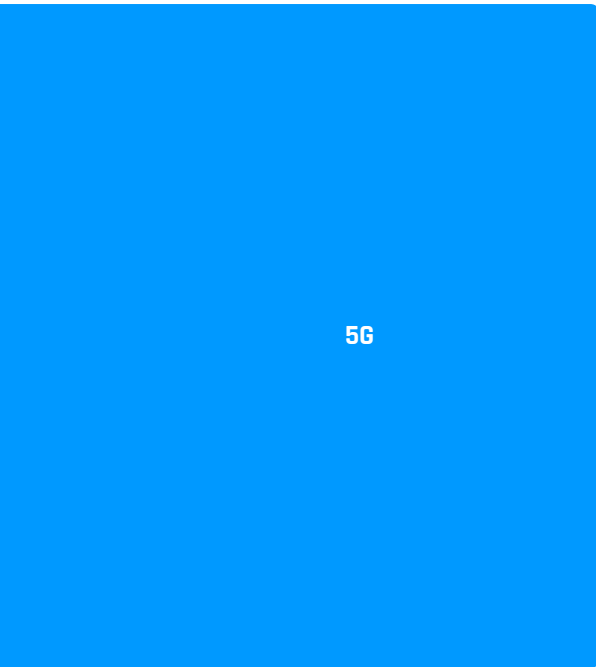
|                            |                                                                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FREQUENCY</b>           | 617 - 960 MHz<br>1.7 - 2.7 GHz<br>3.3 - 4.7 GHz<br>5.2 - 6.0 GHz                                                                                                                                                             |
| <b>GAIN</b>                | 617 - 960 MHz : 3 dBi<br>1.7 - 2.2 GHz : 4 dBi<br>3.3 - 4.7 GHz : 4.5 dBi<br>5.2 - 6.0 GHz : 2.5dBi                                                                                                                          |
| <b>SUPPORTED LTE BANDS</b> | 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106                                 |
| <b>SUPPORTED 5G BANDS</b>  | n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n47, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256 |
| <b>VSWR</b>                | <1.80, max <2.00                                                                                                                                                                                                             |
| <b>BEAMWIDTH</b>           | 360°/35° ±5°                                                                                                                                                                                                                 |
| <b>POLARIZATION</b>        | Vertical                                                                                                                                                                                                                     |
| <b>IMPEDANCE</b>           | 50 Ω                                                                                                                                                                                                                         |

## MECHANICAL SPECIFICATION

|                              |                                             |
|------------------------------|---------------------------------------------|
| <b>MATERIALS</b>             | ABS, aluminum, PTFE                         |
| <b>CONNECTOR TYPE</b>        | Nf                                          |
| <b>INGRESS PROTECTION</b>    | IP68                                        |
| <b>DIMENSIONS</b>            | 160 x 160 x 240 mm<br>6.3 x 6.3 x 9.45 inch |
| <b>WEIGHT</b>                | 1.5 kg<br>3.31 lbs                          |
| <b>OPERATING TEMPERATURE</b> | From -40°C to 80°C<br>From -40°F to 176°F   |
| <b>MAST DIAMETER</b>         | 25-66 mm<br>0.98-2.60 inch                  |

## FREQUENCY BANDS

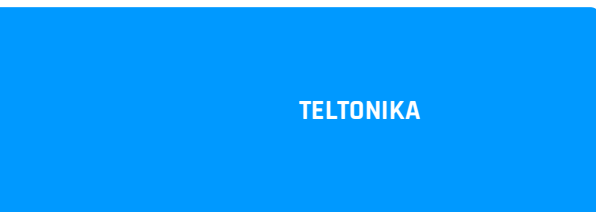
|                 |    |    |    |    |    |     |     |            |             |
|-----------------|----|----|----|----|----|-----|-----|------------|-------------|
| <b>LTE / 4G</b> | 1  | 2  | 3  | 4  | 5  | 7   | 8   | 617<br>MHz | 6000<br>MHz |
|                 | 9  | 10 | 12 | 13 | 14 | 17  | 18  |            |             |
|                 | 19 | 20 | 22 | 25 | 26 | 27  | 28  |            |             |
|                 | 29 | 30 | 33 | 34 | 35 | 36  | 37  |            |             |
|                 | 38 | 39 | 40 | 41 | 42 | 43  | 44  |            |             |
|                 | 47 | 48 | 49 | 52 | 53 | 65  | 66  |            |             |
|                 | 67 | 68 | 69 | 71 | 85 | 103 | 106 |            |             |



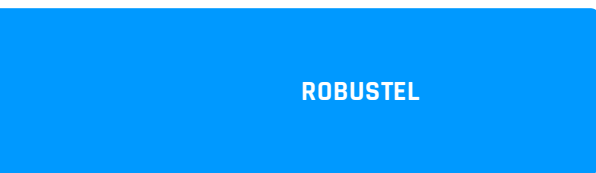
|         |      |      |      |     |     |     |     |          |
|---------|------|------|------|-----|-----|-----|-----|----------|
|         | n1   | n2   | n3   | n5  | n7  | n8  | n12 |          |
|         | n13  | n14  | n18  | n20 | n25 | n26 | n28 |          |
|         | n29  | n30  | n34  | n38 | n39 | n40 | n41 |          |
| 617 MHz | n47  | n48  | n53  | n65 | n66 | n67 | n71 | 6000 MHz |
|         | n77  | n78  | n80  | n81 | n82 | n83 | n84 |          |
|         | n85  | n86  | n89  | n90 | n95 | n97 | n98 |          |
|         | n100 | n101 | n256 |     |     |     |     |          |

## COMPATIBLE ROUTERS

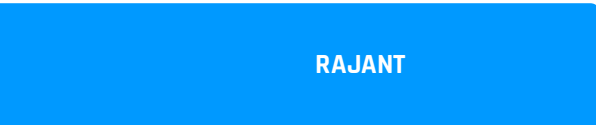
VARIANT: A05G2-GN



RUT200, RUT206, RUT230, RUT240, RUT241, RUT260, RUT271, RUT276, RUT281, RUT900, RUT901, RUT950, RUT951, RUT951 PoE+, RUT955, RUT956, RUT976, RUT981, RUT986, RUTC40, RUTC41, RUTM09, RUTM11, RUTM16, RUTM56, RUTX09, RUTX11, TRB160



EG5100, LG5100, R1500, R1510, R1511, R1511P, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2110, R2120, R3000, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010



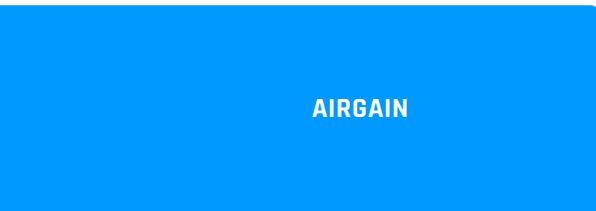
Peregrine LTE BreadCrumb FE1-2455LS, Peregrine LTE BreadCrumb FE1-2455LW



AirBox LTE, AirWan



ICR-2031



NL-SW-LTE-GELS3, NL-SW-LTE-QBG95, NL-SW-LTE-QBG96, NL-SW-LTE-SRC7611-4, NL-SW-LTE-TC1NAG, NL-SW-LTE-TC1WWG, NL-SW-LTE-TC4NAG, NL-SW-LTE-TC4WWG, NL-SW-LTE-TG1WWG, NL-SWNB-LTE-NRF9160-D

|                               |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AM TELECOM</b>             | AMM545, AMM5500, AMM574, AMM585                                                                                                                                                                                                                                                                                                                                                    |
| <b>ANYBUS</b>                 | Wireless Router WLAN                                                                                                                                                                                                                                                                                                                                                               |
| <b>CISCO</b>                  | C819 LTE, MG21E, Z4C                                                                                                                                                                                                                                                                                                                                                               |
| <b>COMSET</b>                 | CM210A-W, CM210Q-W, CM510Q-W, CM685T-W, CM685V-1, CM685V-4, CM685V-6, CM685V-6-G, CM820Q-4, CM820Q-6, CM820T-W, CM820V-4, CM820V-W                                                                                                                                                                                                                                                 |
| <b>D-LINK</b>                 | DWR-960, G415 AX1500, G416 AX1500, N300 4G                                                                                                                                                                                                                                                                                                                                         |
| <b>DIGI</b>                   | 6310-DX, 6330-MX, EX12, EX15, IX10, IX15, IX20, IX30, WR31, WR44 RR                                                                                                                                                                                                                                                                                                                |
| <b>ERICSSON (CRADLEPOINT)</b> | CBA550, E100, E102, IBR200, IBR600C, IBR900, L950, R500, R920, S400, S700                                                                                                                                                                                                                                                                                                          |
| <b>FIBOCOM</b>                | FG132-M.2, FG132-MiniPCIe, FM101-CG, FM101-EAU, FM101-NA, L610-EU-MiniPCIe, L610-LA-MiniPCIe, L716-CN MiniPCIe, L716-EU-MiniPCIe, NL668-AM MiniPCIe, NL668-EAU-M.2, NL668-EU MiniPCIe, NL668-JP MiniPCIe, NL668-LA MiniPCIe                                                                                                                                                        |
| <b>FORTINET</b>               | FEX-101F, FEX-201F, FEX-211E, FEX-212F, FortiGate Rugged 60F-3G4G, FortiGate Rugged 70F-3G4G                                                                                                                                                                                                                                                                                       |
| <b>FOUR-FAITH</b>             | 4G Cellular Router F-R100, 4G Industrial Computer F4931-R2H, 4G Industrial Computer F4932-R2H-DF1, Android Industrial Computer F4932-R1Q, Cellular Wireless Router F-R200, Dual Sim 4G Router F3X46, Dual-sim WiFi Router F3946, Edge Computing Gateway F-G100, Industrial WiFi Router F3X36Q, LAN Port Router F3X26 V2, LTE Industrial Router F3X27 V2, LTE Wireless Router F3x36 |
| <b>INHAND</b>                 | IR302, IR315                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MIKROTIK</b>               | RB912, RB922, RBM11G, RBM33G                                                                                                                                                                                                                                                                                                                                                       |
| <b>MILESIGHT</b>              | UR32                                                                                                                                                                                                                                                                                                                                                                               |
| <b>OPTION</b>                 | CloudGate LTE WW CAT4                                                                                                                                                                                                                                                                                                                                                              |

|                                  |                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PEPLINK</b>                   | Balance 20X, Balance 310 5G, MAX BR1 Classic, MAX BR1 ENT, MAX BR1 IP55, MAX BR1 M2M, MAX BR1 Mini, MAX BR1 Mini (HW3), MAX BR1 Mini Core (HW3), MAX BR1 Mini M2M, MAX BR1 MK2, MAX BR1 Pro, MAX BR1 Slim                           |
| <b>PERLE</b>                     | IRG5410, IRG5520, IRG5521, IRG5540, IRG5541                                                                                                                                                                                         |
| <b>PROROUTE</b>                  | H685 4G Router, H685 LTE 4G CAT6 Router, H820 M2M 4G Router                                                                                                                                                                         |
| <b>QUECLINK</b>                  | WR220                                                                                                                                                                                                                               |
| <b>QUECTEL</b>                   | LTE-A EM060K-EA, LTE-A EM060K-GL, LTE-A EM061K-GL, LTE-A EM120K-GL, LTE-A EM120R-GL                                                                                                                                                 |
| <b>RAJANT</b>                    | Peregrine LTE BreadCrumb FE1-2455LS, Peregrine LTE BreadCrumb FE1-2455LW                                                                                                                                                            |
| <b>ROBUSTEL</b>                  | EG5100, LG5100, R1500, R1510, R1511, R1511P, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2110, R2120, R3000, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010                                          |
| <b>SEMTECH (SIERRA WIRELESS)</b> | AirLink EX400, AirLink LX40, AirLink LX60, AirLink MP70, AirLink RV50X, AirLink RV55, AirLink RX400, AirLink RX55, EM7411, EM7421, EM7431, EM7511, EM7565, EM7590, EM7595, EM7690, EM8695, MC7411, MC7421, MC7431, WP7607, WP7610   |
| <b>SIEMENS</b>                   | 6GK5876-4AA00-2BA2, 6GK5876-4AA00-2DA2, 6GK5876-4AA10-2BA2                                                                                                                                                                          |
| <b>SIMCOM</b>                    | A7602E-H-M2, A7602E-H-PCIEA, A7608SA-H MiniPCIE, A7906E-M2, A7908, A8230X, SIM7600X-H MiniPCIE, SIM7600X-H-M2, SIM7600X-MiniPCIE, SIM7906A-M2, SIM7906E-M2, SIM7906G-M2, SIM7912A-M2, SIM7912E-M2, SIM8230E, SIM8230G               |
| <b>TELIT CINTERION</b>           | FN920C04, LE910Cx Linux mPCIE Series, LE910Cx ThreadX mPCIE Series, LM940, LN920, mPLS63, mPLS83                                                                                                                                    |
| <b>TELTONIKA</b>                 | RUT200, RUT206, RUT230, RUT240, RUT241, RUT260, RUT271, RUT276, RUT281, RUT900, RUT901, RUT950, RUT951, RUT951 PoE+, RUT955, RUT956, RUT976, RUT981, RUT986, RUTC40, RUTC41, RUTM09, RUTM11, RUTM16, RUTM56, RUTX09, RUTX11, TRB160 |

|                |
|----------------|
| <b>WAVETEL</b> |
| <b>WLINK</b>   |
| <b>ZYXEL</b>   |
| <b>OTHER</b>   |

W2400 LTE , W3600 4G/LTE Dual WAN, W3604 Multi-WAN, W3608 Multi-WAN, W421, W4300S 5G, W4600, W4600-S2

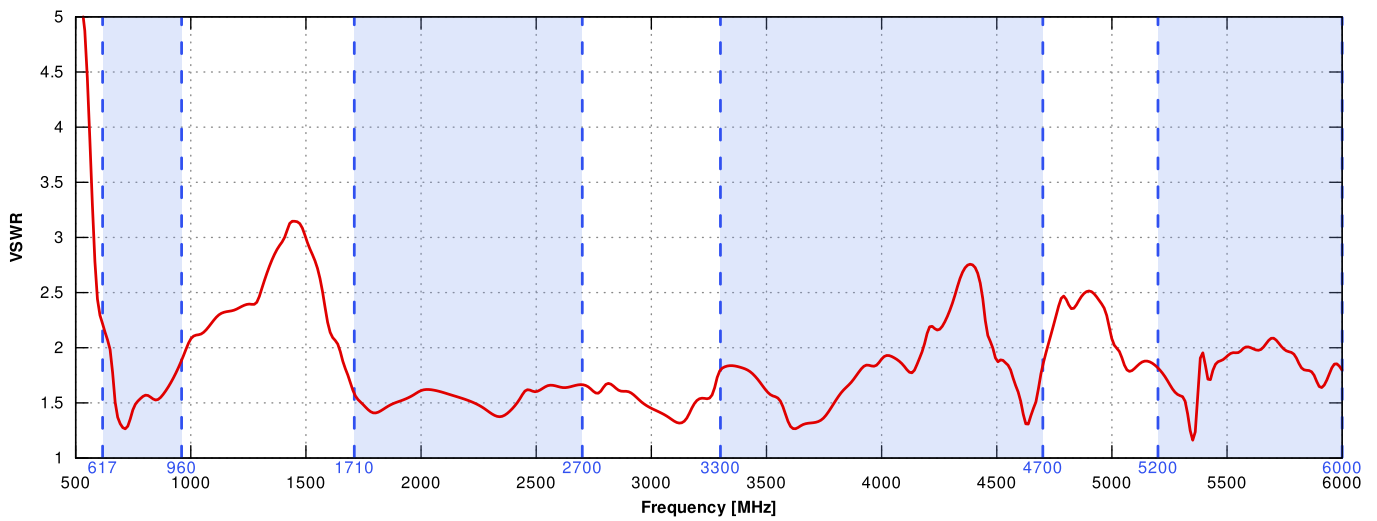
ER120, G200, G510, G520, ODU310, R210, R220, R520

LTE3202-M437, LTE3301-PLUS, LTE5388-M804, LTE5398-M904, NR5101

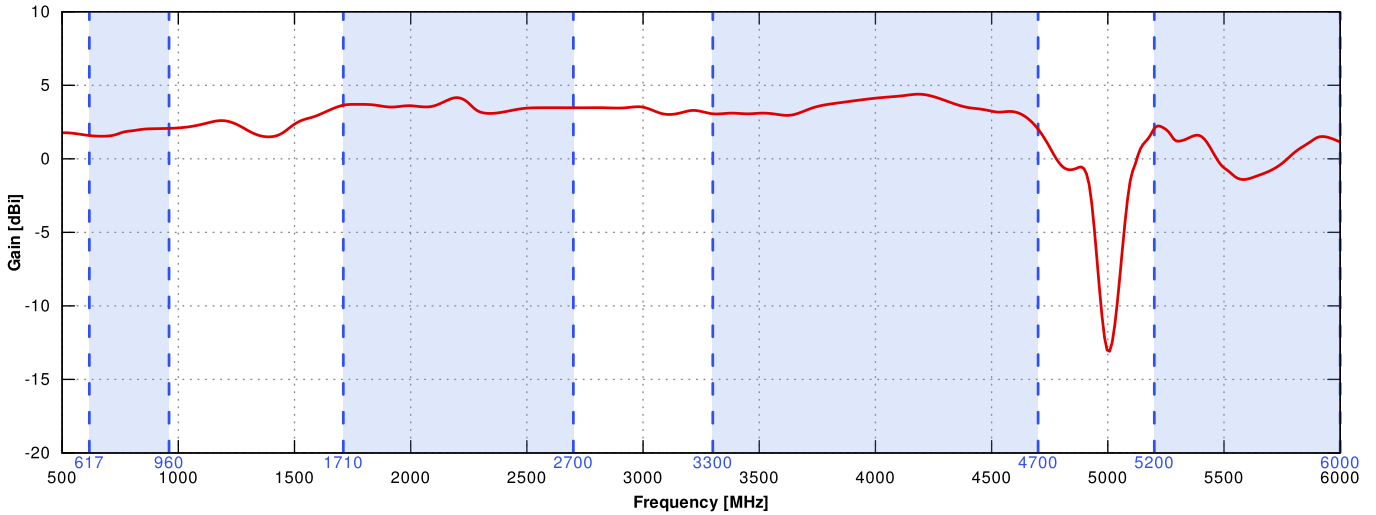
2 \* SMA, 3 \* SMA

## PLOTS

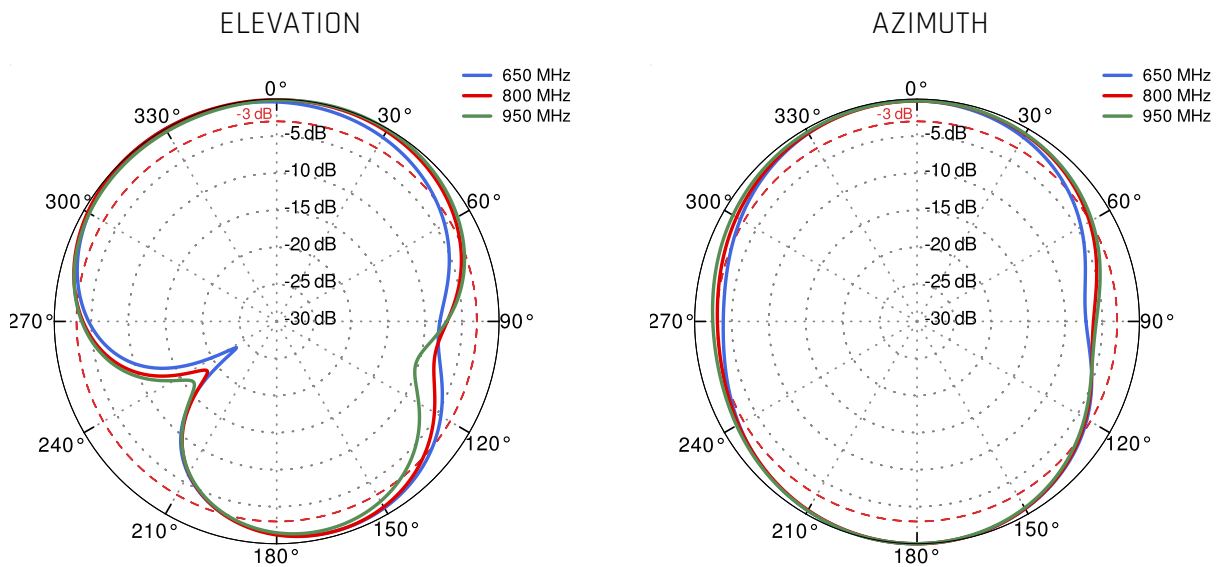
### VSWR



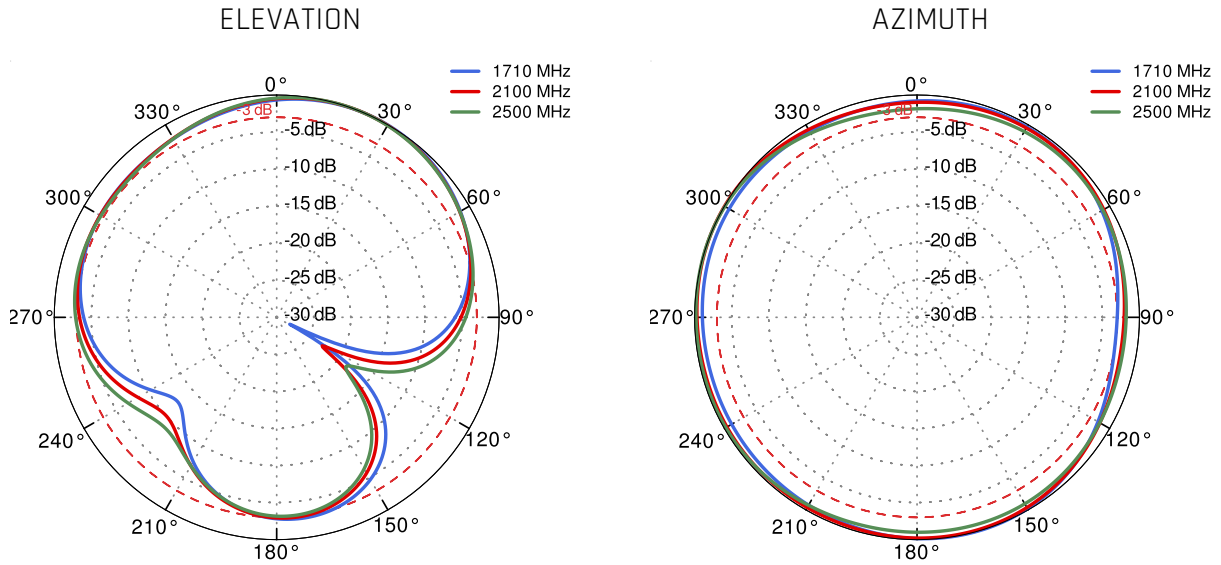
Gain



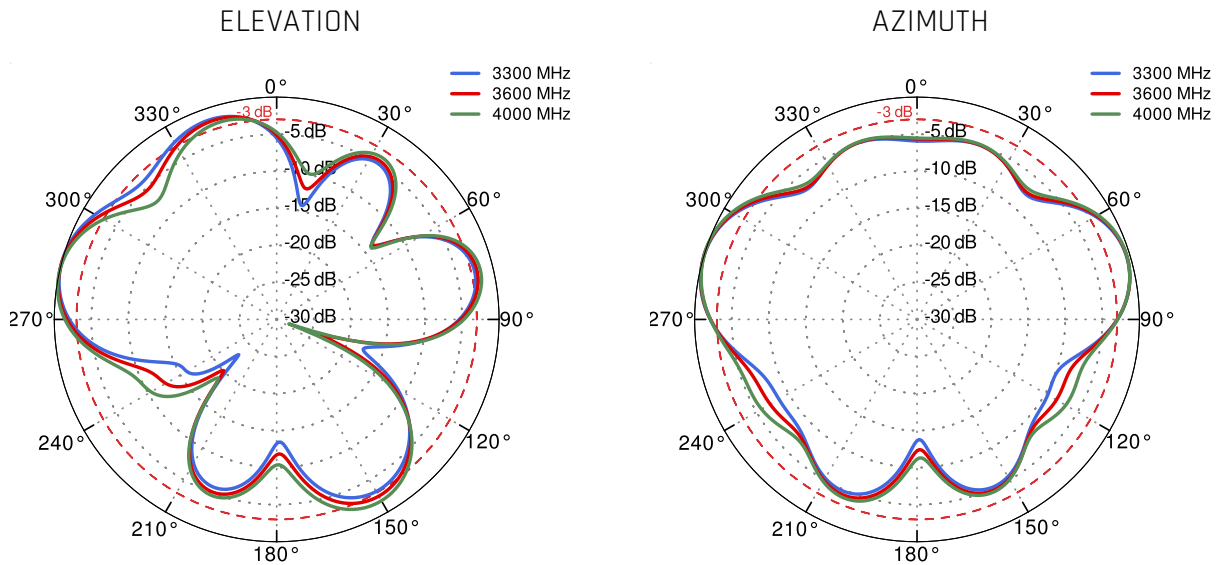
From 650MHz to 950MHz



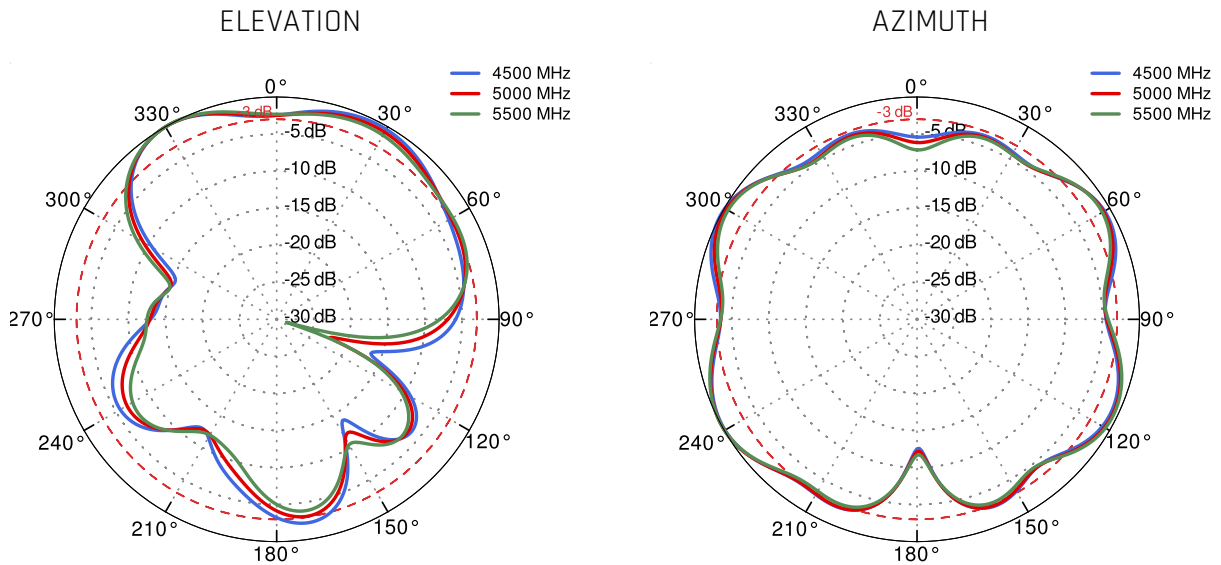
From 1.71GHz to 2.5GHz



From 3.3GHz to 4.0GHz



From 4.6GHz to 5.5GHz



## DIMENSIONS

